TUNER OVERLOAD (CTB/CSO) DATA SHEET

	EUT #: _		Date:		EUT Type:	
		ote: System tings: RES			B. Spectrum 3 MHz.)	Analyzer
1. 2. 3. 4. 5. 6. 7.	Verify M Verify M Verify G Turn on Set BB G Set Modu Normaliz the Norm VM 700A.	lator Atten e the baseb alizing Amp	as shown in ator is OFF is OFF ect for Chad Modulator uator for 2 and input lifier and	annel 3 ope for Chann 21.5 dB to the VM the "WAVEFO		E, using on the
		each test c el of +15.0			as set for connector.	a signal
		GI	ENERATOR 2	SETTINGS		
	For For	CH. 12 CH. 53	205.75 MHz 397.75 MHz	: Sett	33.5 sing 34.0 sing 35.5 sing 37.0	dBmV dBmV
	INITIAL	CALIBRATION	AND MEASUR	EMENTS:		
11. 12. 13. 14. 15. 16. 17. 18.	Set MATR: Set BASE: 10 IRE Set MODU: (+15 dBm') Adjust Ge Turn on I Turn off Verify (N Verify 6: Adjust N	1.17 MHz le	DR to 10.0 FOR AND MOD WATOR to 17 +5 dBmV Au for 49.188 hels 2 thro hnels 3 and el at TP1 wel at TP1 monitor	dB	.) BmV (LO) P)	

19.	From the VM 700A, measure components, and any additional and record their amplitudes:							
	FREQUENCY (MHz) ≈ 0.08 ≈ 0.83 ≈ 1.33	EMISSION LEVEL (dBmV)						
20.	Turn off Matrix Generator and equivalent frequencies for recorin STEP #19	adjust Generator 2 to inband ded overload components listed						
21.	· · · · · · · · · · · · · · · · · · ·							
	FREQUENCY (MHz) ≈ 61.25 ≈ 62.00 ≈ 62.50	GENERATOR LEVEL (dBmV)						
22.	Set MODULATOR for Channel 12, 1	0 IRE, and turn off Generator						
23.	17.7 dB							
24. 25. 26. 27. 28. 29.		MHz at 0 dBmV (LO) gh 78 (PPP) 36 (W) 2.5 (40 to 550 MHz) dBmV = +2.2 dBmV ne EUT's baseband frequency the tuner overload channel						
	FREQUENCY (MHz) ≈ 0.08 ≈ 0.83 ≈ 1.33	EMISSION LEVEL (dBmV)						

<i>\rangle</i>	44.	Generator 2 .	Í
	45.	Set BASEBAND GENERATOR AND MODULATOR ATTENUATOR to 12.9 dB . (+15 dBmV video and +5 dBmV Aural at EUT.)	
	46.	Adjust Generator 1 for 49.25378 MHz at 0 dBmV (LO)	
	47.	Turn on Matrix channels 2 through 78 (PPP)	
	48.	Turn off Matrix channels 74(LLL) and 89 (AAAA) .	
	49.		•
	50.		
	51.	Adjust VM 700A to monitor the EUT's baseband frequence	У
	52.	spectrum, Field 1, Line 16 From the VM 700A, measure the tuner overload channe	1
	J	components, and any additional products, within the baseban	
		and record their amplitudes:	_
		FREQUENCY (MHz) EMISSION LEVEL (dBmV)	
		≈ 0.08	
		≈ 0.83 - 1.33	
		≈ 1.33	
J			
	53.	Turn off Matrix Generator and adjust Generator 2 to inband	
		equivalent frequencies for recorded overload components listed in STEP #52 .	1
	54.	Adjust Generator 2 output to match the amplitude recorded	4
	J7.	above and record Generator 2 output level:	_
		above and reduce denotation is output revers	
		FREQUENCY (MHz) GENERATOR LEVEL (dBmV)	
		≈ 523.25	
		≈ 524.00	
		≈ 524.50	

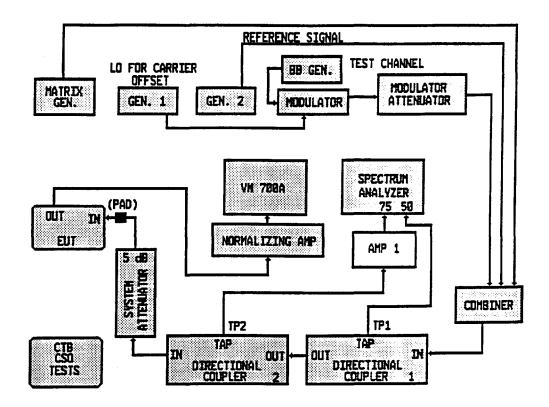


FIGURE D

TUNER OVERLOAD TEST CONFIGURATION

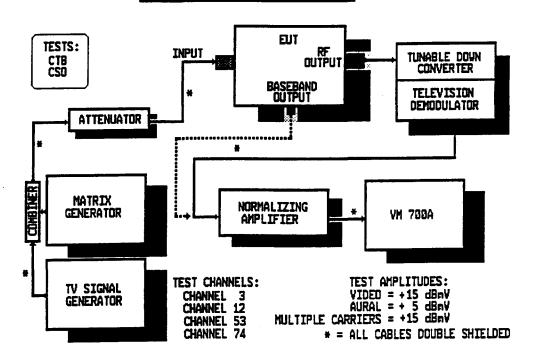


FIGURE 14